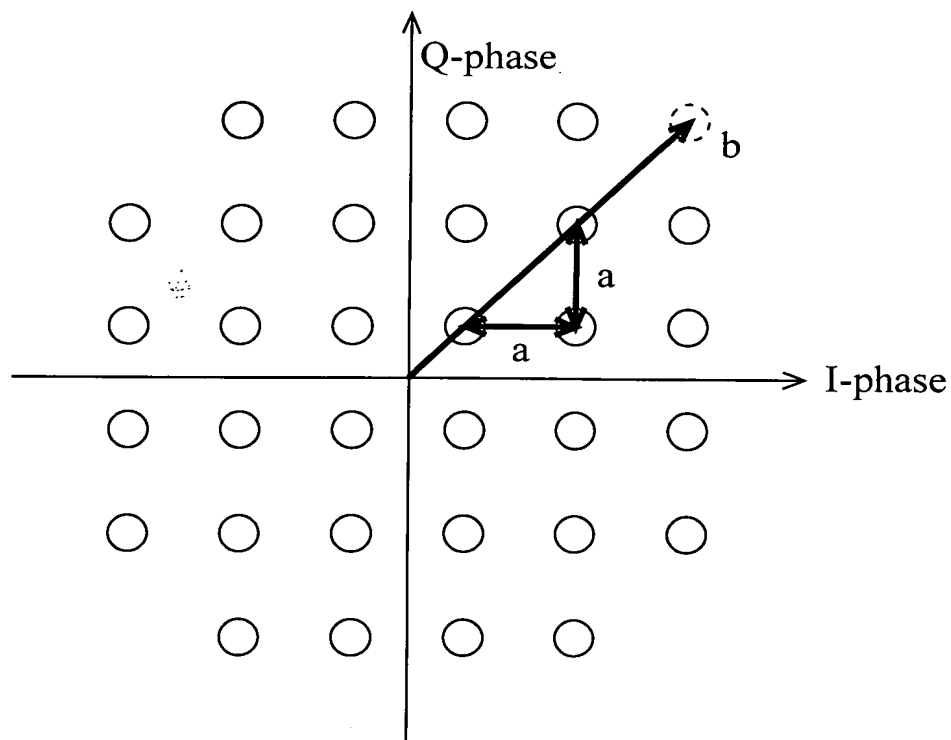


Fig.1

(a)



(b)

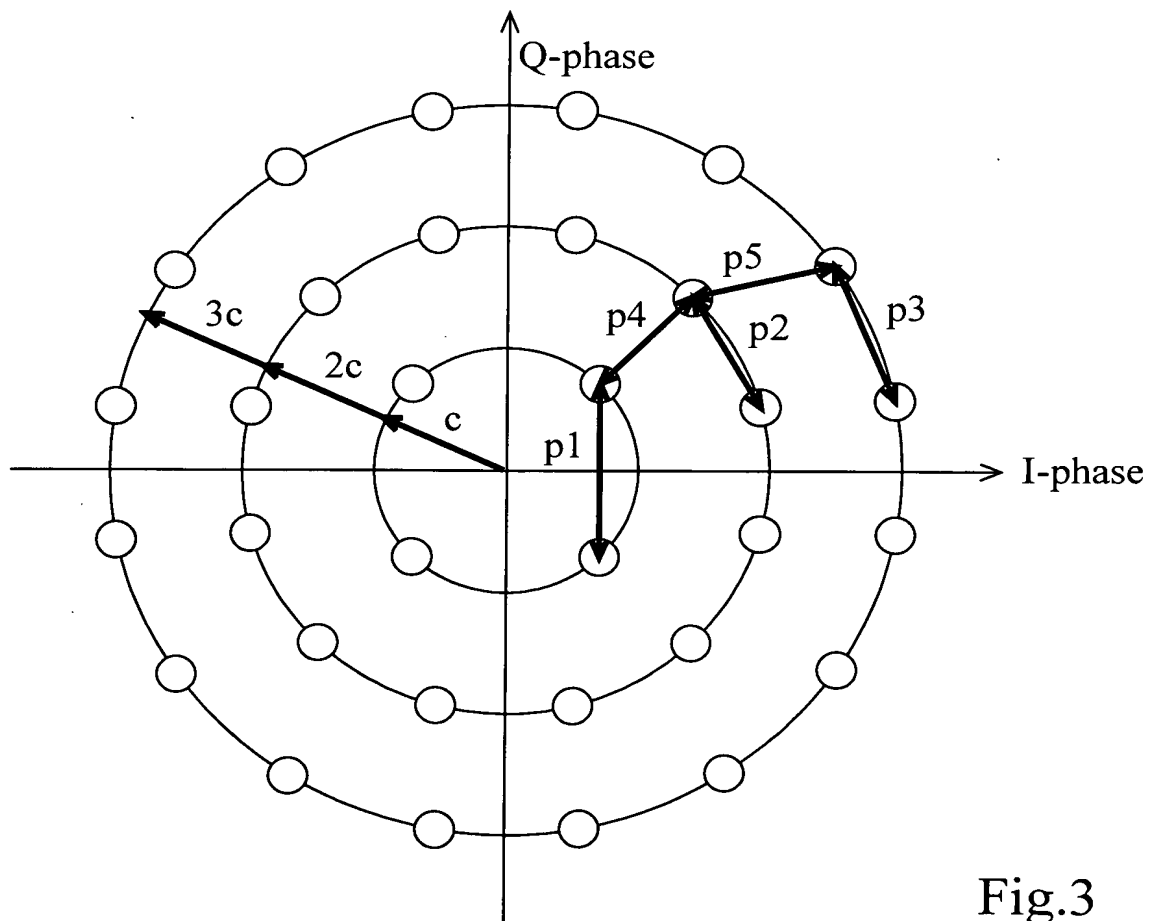


Fig.3

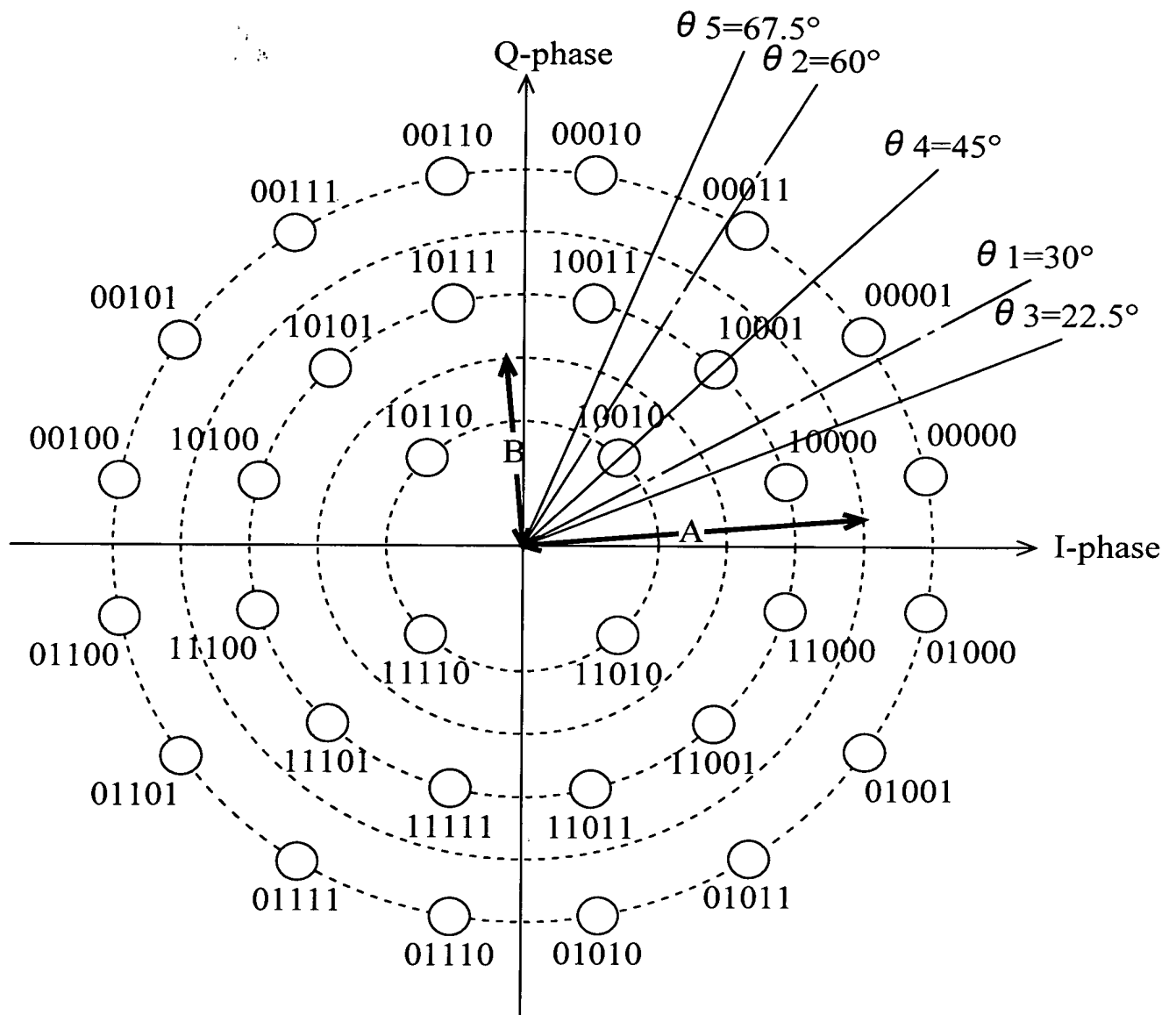


Fig.4

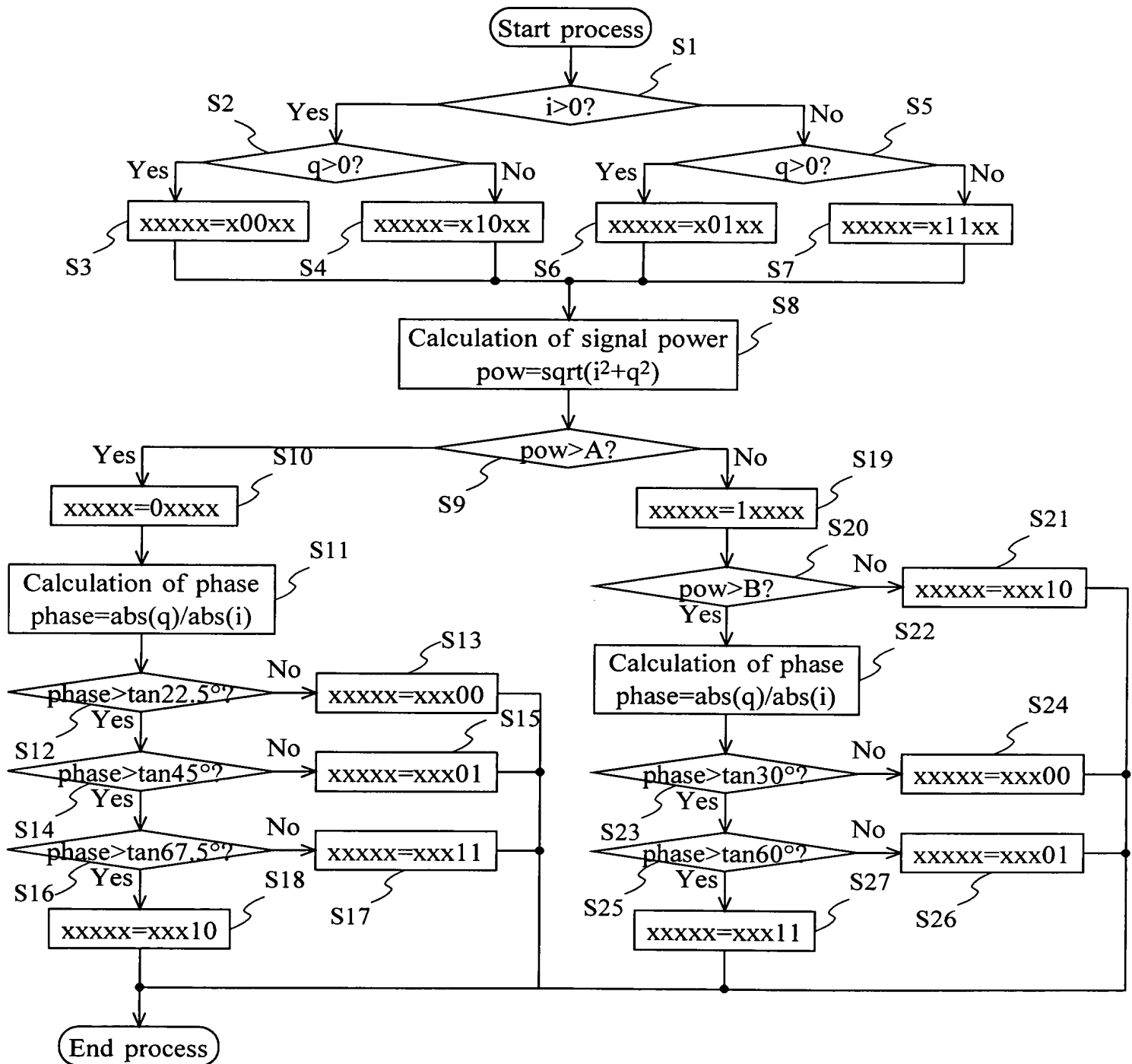


Fig.5

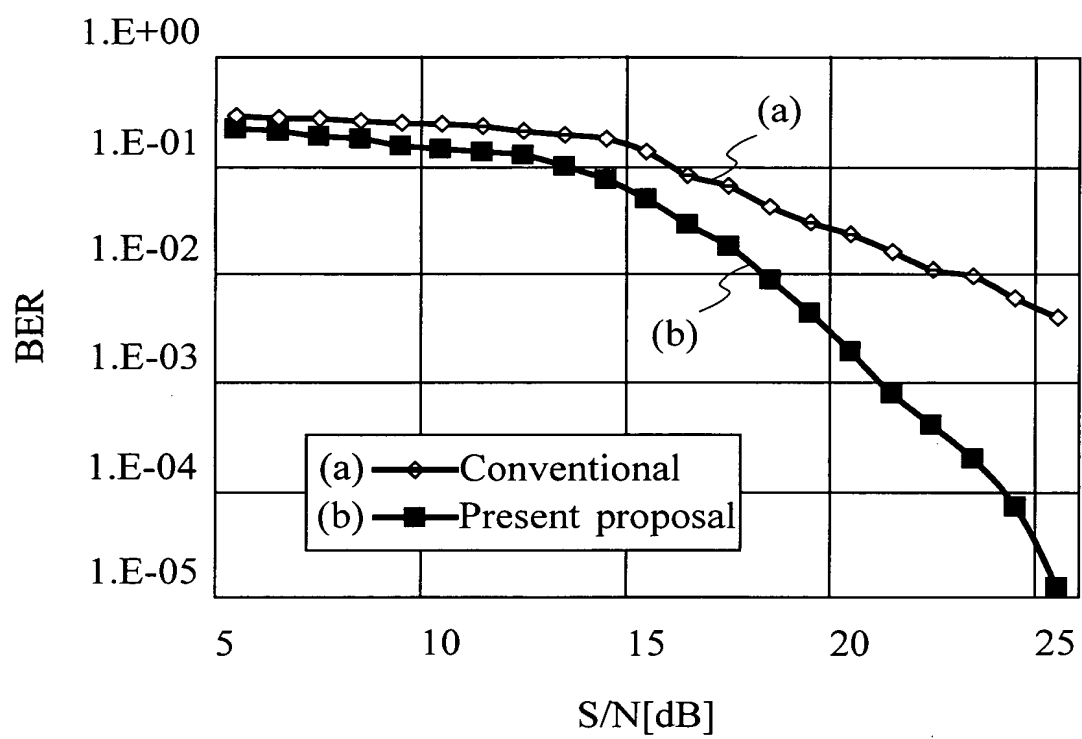


Fig.6

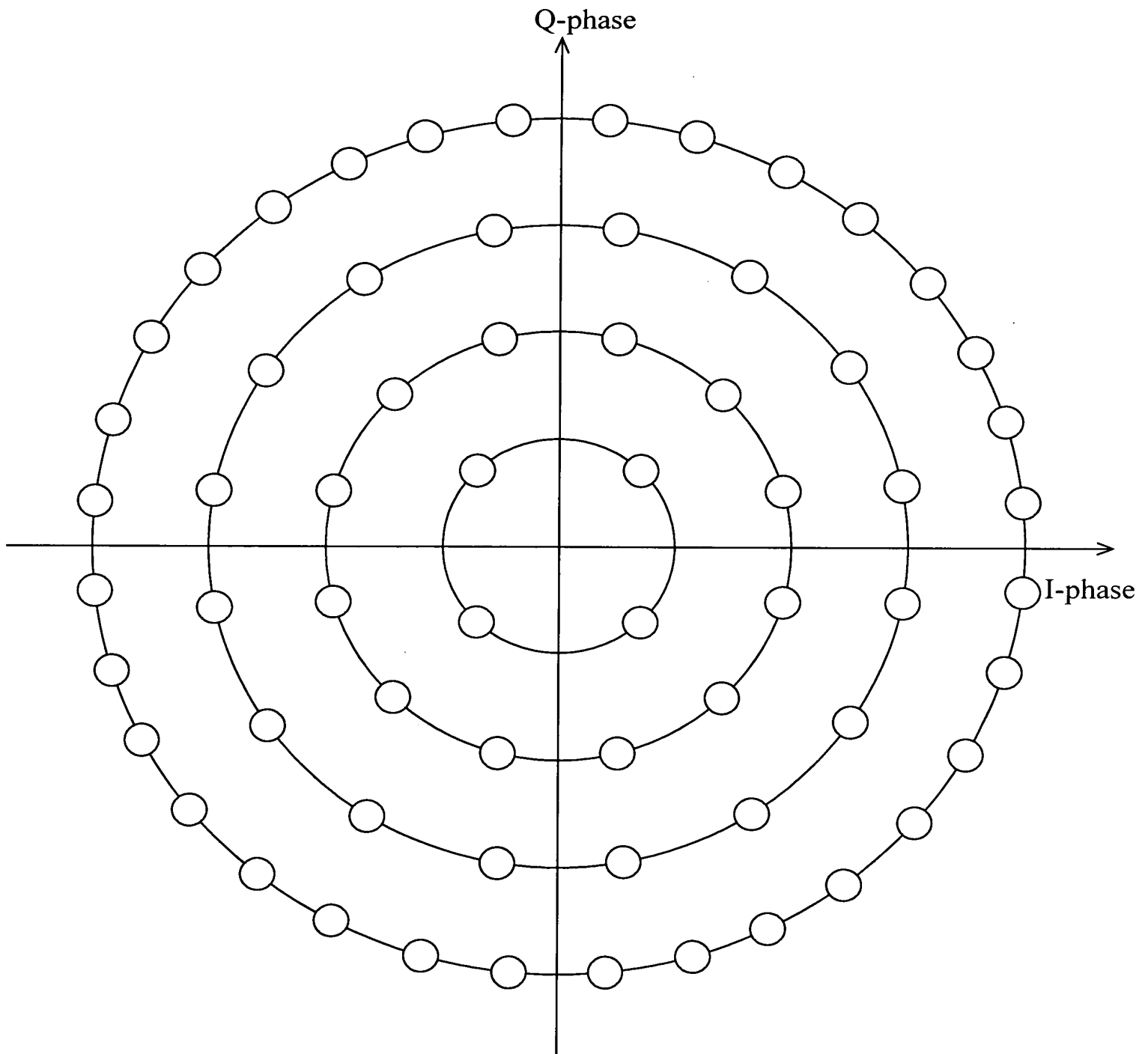


Fig.7

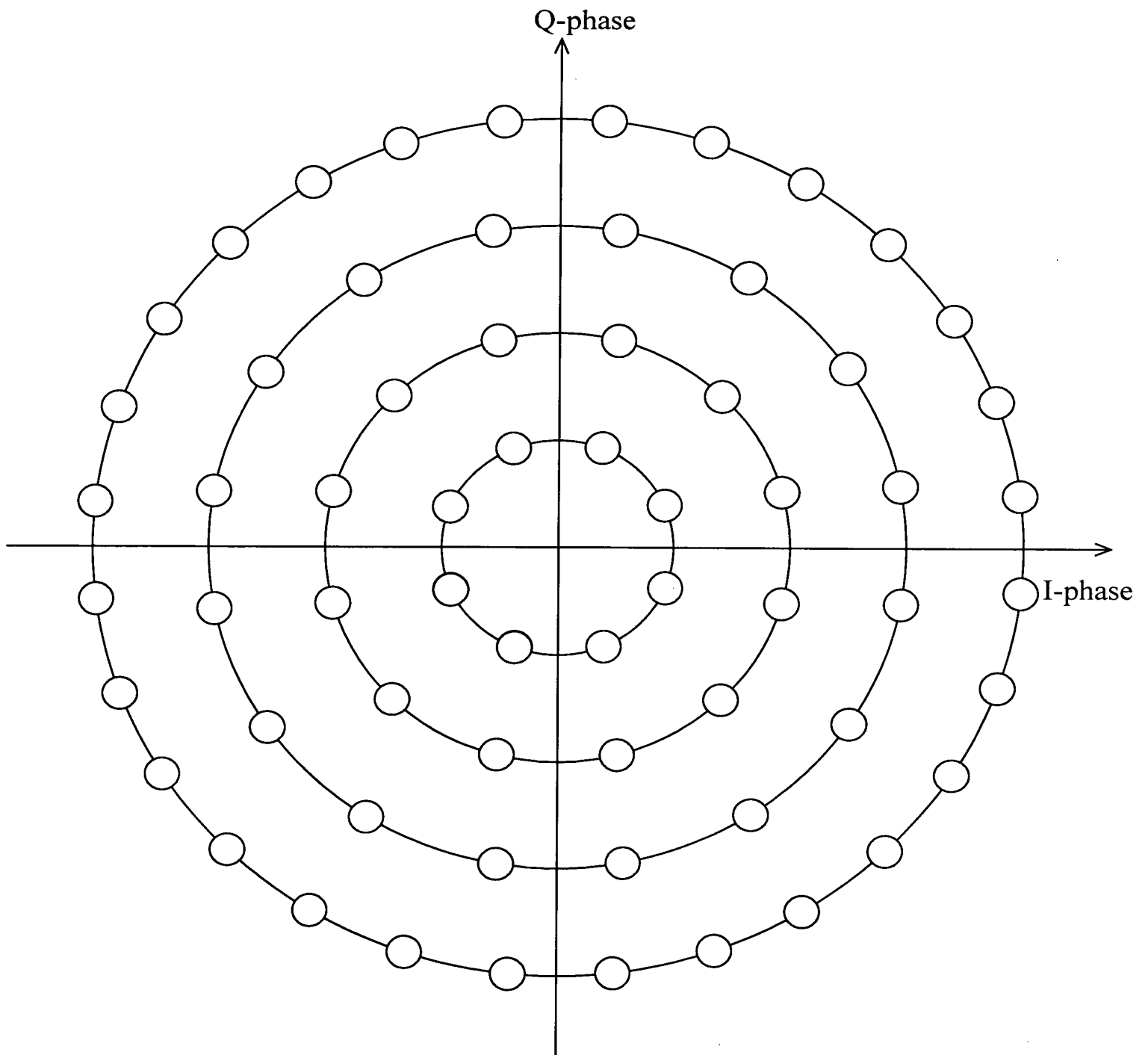


Fig.8

Exemplary specification of 32 QAM and 64 QAM when 9.6 kbps is realized		
Item	32QAM	64QAM
Sampling frequency	16kHz	16kHz
Over sample	8-Times	8-Times
Keying	2kbaud	2kbaud
Entire bit rate	10kbps	12kbps
Redundant information rate	0.4kbps	2.4kbps
Redundant information : data ratio	1:24	1:4

Fig.9

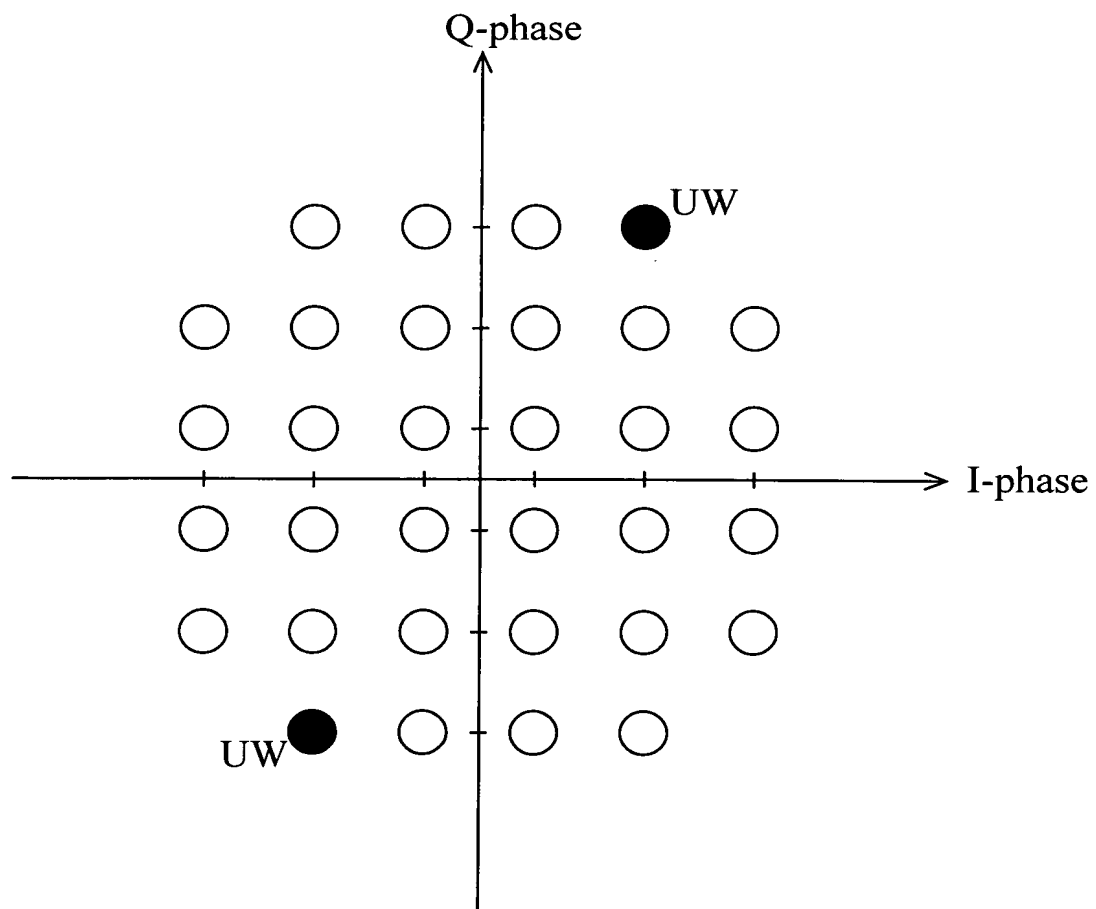


Fig.10

10/527020

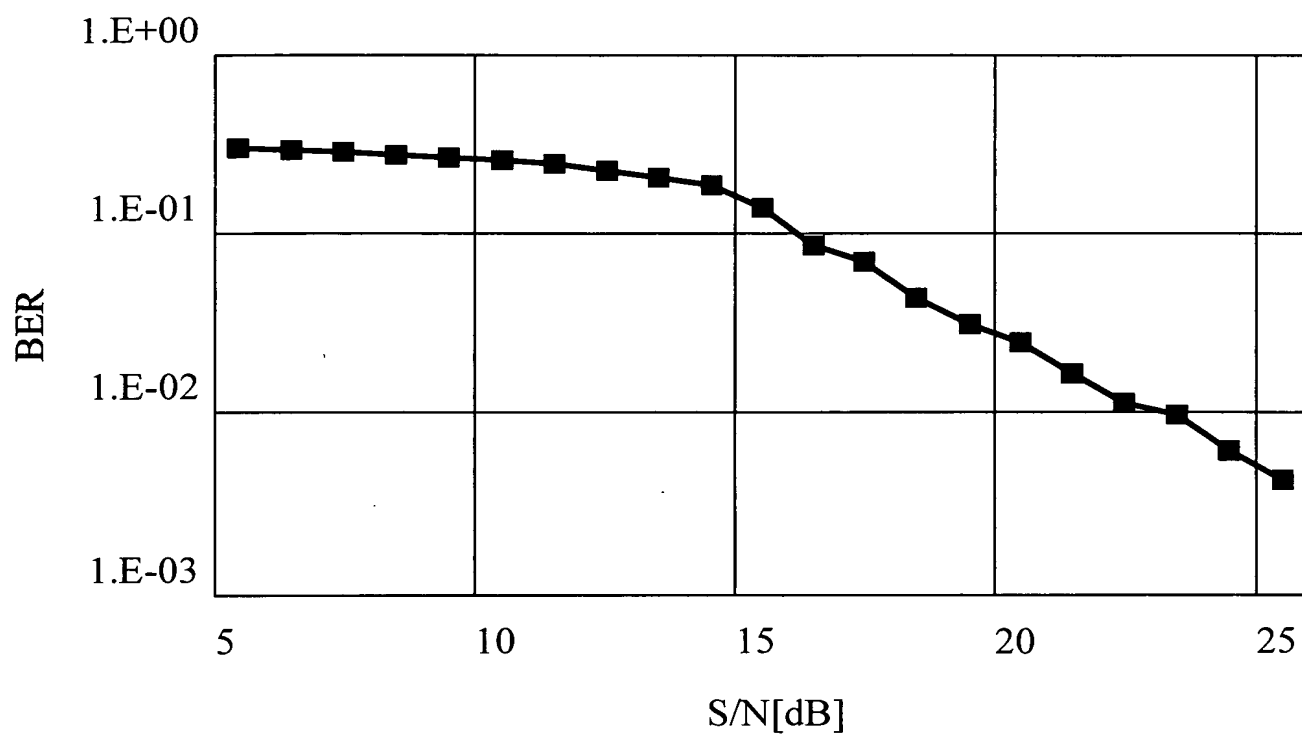


Fig.11